In the Specification:

Please rewrite the Brief description of the figures on page 3 as follows:

Fig. 1 is a ~~schematic~~ perspective view showing one example of a filter member according to the present invention; ~~invention.~~

Fig. 2 is a ~~schematic~~ cross-section of a ~~the~~ filter medium for the filter member shown in the example of Fig. 1; ~~Fig. 1.~~

Fig. 3 is a ~~schematic assembly~~ partial exploded view of an example of a device of the current invention; ~~invention.~~

Fig. 4A is a front elevational view ~~Fig. 4 is a schematic drawing~~ of an alternate example of the device of the present invention; ~~invention.~~

Fig. 4B is a top view of the device of Fig. 4A;

Fig. 5A is a front elevational view ~~Fig. 5 is a schematic drawing~~ of another ~~an alternate~~ example of a ~~the~~ device of the present invention; and ~~invention.~~

Fig. 5B is a side elevational view of the device of Fig. 5A.

Please rewrite the paragraphs from page 9, line 28 through page 13, line 2 as follows:

Fig. 1 is a perspective ~~schematic~~ view showing one example of a filter member (10). The filter member (10) of the present invention comprises an air inlet (12) ~~(1)~~, an air outlet (14) ~~(2)~~, and an air flow path through a ~~the~~ filter medium (16) ~~member (3)~~ from the air inlet

(12) to the air outlet (14). The filter medium (16) is disposed in the filter member (10) of the present invention such that it comes into contact with the air flowing along the air flow path. Preferably, the filter medium (16) contains a carbon filter that is in the general shape of a cylinder, more preferably in the shape of several disks of various diameters and thicknesses such that when the disks are placed atop one another they approach the shape of a sphere or a portion thereof.

Fig. 2 ~~Is~~ is a ~~schematic~~ cross-section of the filter medium (16) shown in the example of Fig. 1. The filter medium (16) consists of several disks of activated carbon supported by a foam (18), such as a polyurethane foam. ~~(3).~~ The disks are placed atop one another. Around this stack is wrapped a piece of nonwoven material (20) ~~(1)~~ supporting potassium permanganate on alumina. To prevent spillage of carbon particles, this entire assembly is contained in a piece of woven nylon (22) ~~(2)~~ which is stretched tight. The nylon is stretched to a point such that the average pore size of the nylon is less than 0.5 mm^2.

Fig. 3 is a partial exploded ~~schematic assembly~~ view of an example of a device (30) of the current invention. The device comprises a main housing (31) ~~(1)~~ into which two air outlet fixtures (34a, 34b) ~~(6)~~ are installed. The main housing (31) is sized to contain all of the elements described below. In the preferred mode of this example, the filter member (10) of Fig. 1 is placed on top of the air inlet (32) ~~(4)~~ such that air is drawn through the filter member (10) via a suction force produced by an air moving member, such as a fan. A particularly suitable fan to deliver this suction force is a centrifugal fan (36) ~~(3)~~. The centrifugal fan (36) is contained in a small chamber which helps to maximize the air flow, allowing air to be drawn in near the center of the impeller and expelled perpendicular to the entry direction and through the air outlet fixtures (34a, 34b) ~~outlets~~ of the device (30). The air outlet fixtures (34a, 34b) are positioned in the main housing (31) such that the rotation of the fan is visible through ~~these~~ outlets of the fixtures (34a, 34b). This allows a means of confirming the action of the fan. Preferably, the air moving member moves at least 100 ml of air per second through the air inlet into the device, more preferably at least 200 ml/s most preferably at least 300 ml/s. A suitable member for driving the fan is a small motor (38) ~~(18)~~, for example a DC motor available from MABUCHI Motor Co., LTD., Japan, under the designation of RF-330TK.

The motor is controlled by a circuit board (40) ~~(7)~~. In this example, power for the motor is supplied by means of a battery (42) ~~(16)~~, preferably a 1.5 V dry alkaline cell battery, or a rechargeable battery, which is connected to the circuit board by two battery contacts (44) ~~(13)~~. The battery (42) is held into the device by a battery door (46) ~~(10)~~ onto which is adhered a small piece of foam (48) ~~(11)~~ which helps to maintain a tight fit of the battery into the device. The circuit board also contains circuitry controlling an LED (50) ~~(12)~~ which blinks to indicate a low battery condition.

In this example of the device (30) of the present invention, the battery (42), fan (36), motor (38), and circuitry are designed to require very low power draw, enabling the device (30) to run continuously for a long period of time. Preferably the device (30) of this example continuously draws less than 20 mA, more preferably less than 10 mA, and most preferably less than 8 mA. To require infrequent battery replacement, the replaceable power supply of this example preferably is designed to last at least one month, more preferably at least two months, yet more preferably at least three months, most preferably at least 4 months.

To facilitate ease of use to the user of the device, an indicator is preferred to announce the approaching need to replace the battery. An indicator could be audible, such as a buzzer or whistle; or visual such as a blinking light or raised flag for example. In this example, the indicator is a blinking light emitting diode (LED) (50) which blinks a few dozen times per minute when the voltage of the replaceable power unit fails below about 0.9 V. The LED (50) of this example operates at 3.0 V, much higher than the voltage supplied by the replaceable battery. To enable the operation of this LED (50), a permanent 3.0 V lithium cell is mounted to the circuit board (40) to power this circuit. The lithium cell is expected to last the lifetime of the device, approximately 5 years.

~~Fig. 4 is a schematic drawing~~ Fig. 4A is a front elevational view of an alternate example of a ~~the~~ device (60) of the present invention. In Fig. 4A, a ~~Figure 4, a~~ device (60) is presented which comprises ~~an air inlet (1),~~ air outlets (64) ~~(2)~~ on each side of a ~~the~~ base (65) ~~(4)~~ and a removable and replaceable filter ~~element~~ member (70) ~~(3)~~. The filter ~~element~~ member (70) is placed onto the base (65) such that air flow from a fan draws air through ~~the~~ air inlets (62) in the top of the filter ~~element~~ member (70), as shown in Fig. 4B, and through the air outlets (64) on the base (65), as shown in Fig. 4A.

In this example, the filter member (70) contains a filter medium and a battery. The filter medium is designed to exhibit the same useful lifetime as that of battery so that both may be replaced as a single unit. The filter member (70) contains two metal contacts (not shown) allowing an electrical current to flow from the battery to the base. The filter medium of the device utilizes the same activated carbon and potassium permanganate system as described in the example of Fig. 1. The filter medium is shaped such that a 1.5 volt dry alkaline "D" battery fits inside a void in the filter.

Similar to the preferred mode of the device of the present invention, the base (65) contains a fan, motor and a circuit board which controls the motor and an LED (not shown) which blinks to indicate the upcoming need to replace the filter member (70) containing the battery and filter medium. Further, the base (65) also contains metal contacts allowing electrical current to flow from the battery (contained in the filter member ~~assembly~~) to the motors.

~~Fig. 5 is a schematic drawing~~ Fig. 5A is a front elevational view of another alternative ~~of an alternate example of the~~ device (80) of the present invention while Fig. 5B is a side elevational view of the device of Fig. 5A. As shown in Figs. 5A and 5B, the ~~. In Figure 5, a~~ device (80) ~~is presented which~~ comprises an air inlet (82) ~~(2)~~ on each side of a ~~the~~ base (85) ~~(4)~~, multiple air outlets (84) ~~(1)~~, and a removable and replaceable filter member (90) ~~element (3)~~. The filter ~~element~~ member (90) is placed onto the base (85) such that air flow from a fan draws air through the air inlets (82) in the base (85), through the filter medium, and out through the air outlets (84) in the filter member (90).

In this example, the filter member (90) contains a filter medium and a battery. The filter medium is designed to exhibit the same useful lifetime as that of battery so that both may be replaced as a single unit. The filter member (90) contains two metal contacts (not shown) allowing an electrical current to flow from the battery to the base (85). The filter medium of the device (80) utilizes the same activated carbon and potassium permanganate system as described in the example of Fig. 1. The filter medium is shaped such that air is forced from the base (85) into the bottom and middle of the filter and then must travel outward through the filter medium to flow through the air outlets (84). Further, this filter is shaped such that a 1.5 volt dry alkaline "D" battery fits inside a void in the filter.

In this example, the base (85) may contain multiple fans and motors to provide more air flow through the filter assembly. Because of the filter housing geometry, the best performance with this device is obtained by using two centrifugal fans, powered by one or two motors. The base (85) contains a circuit board which controls the motors and an LED (not shown) which blinks to indicate the need to replace the filter member (90) containing the battery and filter medium. Further, the base (85) also contains metal contacts allowing current to flow from the battery (contained in the filter assembly) to the motors. Optionally, the base (85) may be designed to contain the replaceable battery, eliminating the battery from the filter unit.